

Notice of Allowability

Application No.

10/632,769

Applicant(s)

SHOLTIS ET AL.

Examiner

Diane Mizrahi

Art Unit

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 7-6-07.
2. ☒ The allowed claim(s) is/are 1-7, 9, 10 and 12-79.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413), Paper No./Mail Date 10-25-07
7. ☒ Examiner's Amendment/Comment
8. ☐ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____

DIANE MIZRAHI
PRIMARY EXAMINER

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Attorney Chadwick A. Johnson on October 25, 2007.

The application has been amended as follows:

1. (Previously Presented) A method of implementing and using a federated system on a node in a computing environment, the method comprising:

defining a plurality of data sources on the node, each data source being associated with a taxonomy;

establishing a taxonomy view at the node by taking a snapshot of the taxonomy of at least one of the plurality of data sources defined on the node;

creating one or more mappings between the taxonomy view at the node and the taxonomy of at least one of the plurality of data sources; and

accessing the plurality of data sources via the taxonomy view,

wherein at least one of the one or more mappings between the taxonomy view of the node and the taxonomy of the at least one data source is created automatically.

2. (Original) The method of claim 1, wherein defining a plurality of data sources on a node comprises:

selecting one or more data resources to be used in each data source;

specifying one or more connection parameters to each data resource; and

making available one or more objects from each data resource, the taxonomy of each data source comprising the one or more available data resource objects in the data source.

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3. (Original) The method of claim 2, wherein each data resource is of a type and at least one of the plurality of data sources comprises data resources of different types.

4. (Original) The method of claim 3, wherein a type of data resource is a text file.

5. (Original) The method of claim 2, wherein creating one or more mappings between the taxonomy view of the node and the taxonomy of at least one of the plurality of data sources comprises:

determining whether each available data resource object in the taxonomy of the at least one data source matches one or more objects in the taxonomy view of the node;

creating at least one new object in the taxonomy view of the node for each available data resource object in the taxonomy of the at least one data source without a matching taxonomy view object; and

mapping each available data resource object in the taxonomy of the at least one data source to the one or more objects in the taxonomy view of the node matching the available data resource object.

6. (Original) The method of claim 5, wherein an available data resource object matches a taxonomy view object when the two objects are identical.

7. (Original) The method of claim 2, wherein an object is a category, a property, or an attribute.

8. (Cancelled).

9. (Original) The method of claim 1, wherein the taxonomy of at least one of the plurality of data sources is different from the taxonomy of at least one other data source.

10. (Original) The method of claim 1, wherein at least one of the plurality of data sources defined on the node resides on the node.

11. (Cancelled).

12. (Original) The method of claim 1, wherein the taxonomy of each data source comprises one or more available objects and the taxonomy view of the node comprises one or more objects.

13. (Original) The method of claim 12, wherein each object in the taxonomy view is unique.

14. (Original) The method of claim 12, wherein an object is a category, a property, or an attribute.

15. (Original) The method of claim 12, wherein creating one or more mappings between the taxonomy view of the node and the taxonomy of at least one of the plurality of data sources comprises:

creating one or more mappings between each available object in the taxonomy of the at least one data source and one or more objects in the taxonomy view of the node matching the available data source object.

16. (Previously Presented) A method of implementing and using a federated system on a node in a computing environment, the method comprising:

defining a plurality of data sources on the node, each data source being associated with a taxonomy having one or more available objects;

establishing a taxonomy view having one or more objects at the node;

creating one or more mappings between each available object in the taxonomy of the at least one data source and one or more objects in the taxonomy view of the node matching the available data source object;

accessing the plurality of data sources via the taxonomy view; and

maintaining one or more lists of one or more aliases for the one or more objects in the taxonomy view of the node, wherein at least one of the one or more mappings between the one or more available objects in the taxonomy of the at least one data source and the one or more objects in the taxonomy view of the node is created using the one or more lists wherein at least one of the one or more mappings between the taxonomy view of the node and the taxonomy of the at least one data source is created automatically.

17. (Original) The method of claim 15, wherein an available object in the taxonomy of a data source matches an object in the taxonomy view of the node when the two objects are identical.

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18. (Original) The method of claim 12, wherein creating one or more mappings between the taxonomy view of the node and the taxonomy of at least one of the plurality of data sources comprises:

determining whether each available object in the taxonomy of the at least one data source matches one or more objects in the taxonomy view of the node;

creating at least one new object in the taxonomy view of the node for each available object in the taxonomy of the at least one data source without a matching taxonomy view object; and

mapping each available object in the taxonomy of the at least one data source to the one or more objects in the taxonomy view of the node matching the available data source object.

19. (Original) The method of claim 12, further comprising:
customizing the taxonomy view of the node.

20. (Original) The method of claim 19, wherein customizing the taxonomy view of the node comprises:

modifying a label of at least one of the one or more objects in the taxonomy view.

21. (Original) The method of claim 19, wherein customizing the taxonomy view of the node comprises:

changing hierarchy of the one or more objects in the taxonomy view.

22. (Original) The method of claim 1, wherein only a portion of the taxonomy of the at least one data source is available for mapping.

23. (Original) The method of claim 1, wherein only a portion of the taxonomy of the at least one data source is mapped to the taxonomy view of the node.

24. (Original) The method of claim 1, wherein each data source comprises content and the content of at least one of the plurality of data sources is different from the content of at least one other data source.

25. (Original) The method of claim 1, further comprising:

storing at least one of the one or more mappings between the taxonomy view of the node and the taxonomy of the at least one data source on the node.

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26. (Original) The method of claim 1, further comprising:
establishing one or more other taxonomy views for the node.
27. (Original) The method of claim 26, wherein at least one of the one or more other taxonomy views is based on the taxonomy view of the node.
28. (Previously Presented) The method of claim 26, wherein the one or more other taxonomy views comprise one or more organizational views, one or more role-based views, one or more project views, or one or more personal views.
29. (Original) The method of claim 1, wherein accessing the plurality of data sources via the taxonomy view comprises:
querying the plurality of data sources via the taxonomy view.
30. (Original) The method of claim 29, wherein only one query is submitted for querying multiple data sources.
31. (Original) The method of claim 30, wherein the one query submitted for querying multiple data sources is translated for each data source.
32. (Original) The method of claim 1, further comprising:
controlling access to one or more of the plurality of data sources.
33. (Original) The method of claim 32, wherein the node controls access to at least one of the one or more data sources.
34. (Original) The method of claim 32, wherein one or more other nodes control access to at least one of the one or more data sources.
35. (Original) The method of claim 32, wherein controlling access to one or more of the plurality of data sources comprises:
restricting access to content in the one or more data sources.
36. (Previously Presented) The method of claim 35, wherein one or more IDs or passwords are used to restrict access to the content in the one or more data sources.
37. (Previously Presented) The method of claim 36, further comprising:

storing the one or more IDs or passwords on the node.

38. (Original) The method of claim 32, wherein controlling access to one or more of the plurality of data sources comprises:

regulating presentation of content from the one or more data sources.

39. (Original) The method of claim 38, wherein regulating presentation of content from the one or more data sources comprises:

establishing one or more modes of presenting the content from the one or more data sources.

40. (Previously Presented) A method of implementing and using a federated system on a node in a computing environment, the method comprising:

defining a plurality of data sources on the node, each data source being associated with a taxonomy;

establishing a taxonomy view at the node;

creating one or more mappings between the taxonomy view at the node and the taxonomy of at least one of the plurality of data sources;

accessing the plurality of data sources via the taxonomy view; and

controlling access to one or more of the plurality of data sources by regulating presentation of content from the one or more data sources,

wherein one or more filters or business rules are used to regulate the presentation of the content from the one or more data sources wherein at least one of the one or more mappings between the taxonomy view of the node and the taxonomy of the at least one data source is created automatically.

41. (Previously Presented) The method of claim 40, wherein further comprising:

storing the one or more filters or business rules on the node.

42. (Original) The method of claim 32, wherein controlling access to one or more of the plurality of data sources comprises:

altering content from the one or more data sources.

43. (Original) The method of claim 42, wherein altering content from the one or more data sources comprises:

increasing or decreasing one or more values in the content from the one or more data sources.

44. (Original) The method of claim 42, wherein altering content from the one or more data sources comprises:

replacing one or more values in the content from the one or more data sources with one or more other values.

45. (Original) The method of claim 42, wherein alteration of the content from the one or more data sources depends upon who is seeking access to the content.

46. (Previously Presented) A method of implementing and using a federated system on a node in a computing environment, the method comprising:

defining a plurality of data sources on the node, each data source being associated with a taxonomy;

establishing a taxonomy view at the node;

creating one or more mappings between the taxonomy view at the node and the taxonomy of at least one of the plurality of data sources;

accessing the plurality of data sources via the taxonomy view; and

controlling access to one or more of the plurality of data sources by altering content from the one or more data sources,

wherein one or more business rules are used to alter the content from the one or more data sources wherein at least one of the one or more mappings between the taxonomy view of the node and the taxonomy of the at least one data source is created automatically.

47. (Original) The method of claim 42, further comprising:

storing the one or more business rules on the node.

48. (Previously Presented) The method of claim 32, wherein controlling access to one or more of the plurality of data sources comprises:

managing how content from the one or more data sources is used.

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49. (Previously Presented) The method of claim 48, wherein one or more business rules are used to manage how the content from the one or more data sources is used.

50. (Original) The method of claim 49, further comprising:
storing the one or more business rules on the node.

51. (Original) The method of claim 1, wherein at least one of the plurality of data sources is part of a network group.

52. (Original) The method of claim 51, wherein the at least one network group data source is shared with a plurality of nodes.

53. (Previously Presented) The method of claim 1, wherein a taxonomy is an organizational structure or classification scheme.

54. (Currently Amended) A computer program product ~~including a computer-readable medium having a sequence of encoded instructions which, when executed by a processor, causes the processor to execute a process for~~ implementing and using a federated system on a node in a computing environment, ~~the process~~ comprising:

a computer-readable medium;

computer program instructions, encoded on the computer-readable medium, executable by a processor, for implementing a process comprising:

defining a plurality of data sources on the node, each data source being associated with a taxonomy;

establishing a taxonomy view at the node by taking a snapshot of the taxonomy of at least one of the plurality of data sources defined on the node;

creating one or more mappings between the taxonomy view at the node and the taxonomy of at least one of the plurality of data sources; and

accessing the plurality of data sources via the taxonomy view,

wherein at least one of the one or more mappings between the taxonomy view of the node and the taxonomy of the at least one data source is created automatically, and

wherein the computer-readable medium is a storage medium or a memory medium.

55. (Currently Amended) A system for implementing and using a federated system on a node in a computing environment, the system comprising:

means for defining a plurality of data sources on the node, each data source being associated with a taxonomy;

means for establishing a taxonomy view at the node by taking a snapshot of the taxonomy of at least one of the plurality of data sources defined on the node;

means for creating one or more mappings between the taxonomy view at the node and the taxonomy of at least one of the plurality of data sources; and

means for accessing the plurality of data sources via the taxonomy view,

wherein at least one of the one or more mappings between the taxonomy view of the node and the taxonomy of the at least one data source is created automatically.

56. (Previously Presented) The computer program product of claim 54, wherein defining a plurality of data sources on a node comprises:

selecting one or more data resources to be used in each data source;

specifying one or more connection parameters to each data resource; and

making available one or more objects from each data resource, the taxonomy of each data source comprising the one or more available data resource objects in the data source.

57. (Previously Presented) The computer program product of claim 56, wherein creating one or more mappings between the taxonomy view of the node and the taxonomy of at least one of the plurality of data sources comprises:

determining whether each available data resource object in the taxonomy of the at least one data source matches one or more objects in the taxonomy view of the node;

creating at least one new object in the taxonomy view of the node for each available data resource object in the taxonomy of the at least one data source without a matching taxonomy view object; and

mapping each available data resource object in the taxonomy of the at least one data source to the one or more objects in the taxonomy view of the node matching the available data resource object.

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58. (Previously Presented) The computer program product of claim 54, wherein at least one of the plurality of data sources defined on the node resides on the node.

59. (Previously Presented) The computer program product of claim 54, wherein the taxonomy of each data source comprises one or more available objects and the taxonomy view of the node comprises one or more objects.

60. (Previously Presented) The computer program product of claim 59, wherein creating one or more mappings between the taxonomy view of the node and the taxonomy of at least one of the plurality of data sources comprises:

creating one or more mappings between each available object in the taxonomy of the at least one data source and one or more objects in the taxonomy view of the node matching the available data source object.

61. (Previously Presented) The computer program product of claim 59, wherein creating one or more mappings between the taxonomy view of the node and the taxonomy of at least one of the plurality of data sources comprises:

determining whether each available object in the taxonomy of the at least one data source matches one or more objects in the taxonomy view of the node;

creating at least one new object in the taxonomy view of the node for each available object in the taxonomy of the at least one data source without a matching taxonomy view object; and

mapping each available object in the taxonomy of the at least one data source to the one or more objects in the taxonomy view of the node matching the available data source object.

62. (Previously Presented) The computer program product of claim 54, further comprising:

storing at least one of the one or more mappings between the taxonomy view of the node and the taxonomy of the at least one data source on the node.

63. (Previously Presented) The computer program product of claim 54, wherein accessing the plurality of data sources via the taxonomy view comprises:

querying the plurality of data sources via the taxonomy view.

64. (Previously Presented) The computer program product of claim 54, further comprising:

controlling access to one or more of the plurality of data sources.

65. (Previously Presented) The computer program product of claim 64, wherein controlling access to one or more of the plurality of data sources comprises:

altering content from the one or more data sources.

66. (Previously Presented) The computer program product of claim 54, wherein at least one of the plurality of data sources is part of a network group.

67. (Previously Presented) The computer program product of claim 54, wherein a taxonomy is an organizational structure or classification scheme.

68. (Previously Presented) The system of claim 55, wherein the means for defining a plurality of data sources on a node comprises:

means for selecting one or more data resources to be used in each data source;

means for specifying one or more connection parameters to each data resource; and

means for making available one or more objects from each data resource, the taxonomy of each data source comprising the one or more available data resource objects in the data source.

69. (Previously Presented) The system of claim 68, wherein means for creating one or more mappings between the taxonomy view of the node and the taxonomy of at least one of the plurality of data sources comprises:

means for determining whether each available data resource object in the taxonomy of the at least one data source matches one or more objects in the taxonomy view of the node;

means for creating at least one new object in the taxonomy view of the node for each available data resource object in the taxonomy of the at least one data source without a matching taxonomy view object; and

means for mapping each available data resource object in the taxonomy of the at least one data source to the one or more objects in the taxonomy view of the node matching the available data resource object.

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70. (Previously Presented) The system of claim 55, wherein at least one of the plurality of data sources defined on the node resides on the node.

71. (Previously Presented) The system of claim 55, wherein the taxonomy of each data source comprises one or more available objects and the taxonomy view of the node comprises one or more objects.

72. (Previously Presented) The system of claim 71, wherein the means for creating one or more mappings between the taxonomy view of the node and the taxonomy of at least one of the plurality of data sources comprises:

means for creating one or more mappings between each available object in the taxonomy of the at least one data source and one or more objects in the taxonomy view of the node matching the available data source object.

73. (Previously Presented) The system of claim 71, wherein the means for creating one or more mappings between the taxonomy view of the node and the taxonomy of at least one of the plurality of data sources comprises:

means for determining whether each available object in the taxonomy of the at least one data source matches one or more objects in the taxonomy view of the node;

means for creating at least one new object in the taxonomy view of the node for each available object in the taxonomy of the at least one data source without a matching taxonomy view object; and

means for mapping each available object in the taxonomy of the at least one data source to the one or more objects in the taxonomy view of the node matching the available data source object.

74. (Previously Presented) The system of claim 55, further comprising:

means for storing at least one of the one or more mappings between the taxonomy view of the node and the taxonomy of the at least one data source on the node.

75. (Previously Presented) The system of claim 55, wherein the means for accessing the plurality of data sources via the taxonomy view comprises:

means for querying the plurality of data sources via the taxonomy view.

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76. (Previously Presented) The system of claim 55, further comprising:
means for controlling access to one or more of the plurality of data sources.

77. (Previously Presented) The system of claim 76, wherein the means for controlling
access to one or more of the plurality of data sources comprises:
means for altering content from the one or more data sources.

78. (Previously Presented) The system of claim 55, wherein at least one of the plurality
of data sources is part of a network group.

79. (Previously Presented) The system of claim 55, wherein a taxonomy is an
organizational structure or classification scheme.

IN THE CLAIMS

Allowable Subject Matter

Claims 1-7, 9-10, and 12-79 are allowed over the prior art made of record.

Comments

The date on which the petition under 37 CFR 1.136(a) and the appropriate extension fee have been filed is the date for purposes of determining the period of extension and the corresponding amount of the fee. In no case may an applicant reply outside the SIX (6) MONTH statutory period or obtain an extension for more than FIVE (5) MONTHS beyond the date for reply set forth in an Office action. A fully responsive reply must be timely filed to avoid abandonment of this application.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue

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fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

As allowable subject matter has been indicated, Applicant's response must either comply with all formal requirements or specifically traverse each requirement not complied with. See 37 CFR 1.111(b) and MPEP section 707.07(a).

Other Prior Art Made of Record

The prior art made of record and not relied upon is considered pertinent to Applicant's disclosure. U.S. patents and U.S. patent application publications will not be supplied with Office actions. Examiner advises the Applicant that the cited U.S. patents and patent application publications are available for download via the Office's PAIR. As an alternate source, all U.S. patents and patent application publications are available on the USPTO web site (www.uspto.gov), from the Office of Public Records and from commercial sources. For the use of the Office's PAIR system, Applicants may refer to the Electronic Business Center (EBC) at <http://www.uspto.gov/ebc/index.html> or 1-866-217-9197.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Diane D. Mizrahi whose telephone number is 571-272-4079. The examiner can normally be reached on Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jeffrey Gaffin can be reached on (571) 272-4146. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9306 for regular communications and (703) 305-3900 for After Final communications.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 305-3900.



Diane Mizrahi
Primary Patent Examiner
Technology Center 2100

October 25, 2007